SETTING UP A NAME RESOLUTION SYSTEM
FOR HOME-TO-HOME COMMUNICATIONS

ABSTRACT OF THE DISCLOSURE

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Methods, systems, and gateways are disclosed for automatically setting up a redirector of domain name system (DNS) name requests. A DNS setup packet is transmitted to a remote gateway via a tunnel of a virtual private network (VPN). The setup packet comprises a global name of a home network

10   and a private address of a DNS server in the home network. A DNS setup reply packet is received from the remote gateway via the tunnel. The reply packet comprises a global name of another home network and a private address of a DNS server in the other home network. An application level gateway of the DNS server (DNS-ALG) in the home network is configured dependent

15   upon the DNS setup reply packet to redirect DNS name requests for the global name of the other network to the DNS server in the other network. Methods, systems, and gateways are also disclosed for resolving a domain name request in a DNS.

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